

YAKIMOV, P. A.

Penicillin and other antibiotics. Leningrad, Univ. Ordona Lenina, 1948. 104 p.

DAFM

1. Antibiotics. 2. Penicillin.

YAKIMOV, P. A.

Yakimov, P. A. and Krusser, O. V. "The problem of tanning crops," In symposium:
Biokhimiya kul't. rasteniy, Vol. VIII, Moscow-Leningrad, 1948, p. 606-52 -
Bibliog: p. 649-52

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

YAKIMOV, P. A.

Koyalovich, N. B., Sharova, N. L. and Yakimov, P. A.

"The problem of caoutchouc in crop growing," In symposium:
Biokhimiya kul't. rasteniy, Vol. VIII, Moscow-Leningrad, 1949,
p. 600-05

SO: U-326⁴, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

CA

10

Anatomic and microchemical examination of *Celtis*.
V. A. Yablokova and V. A. Yukimov. (All-Union Horticult. Inst., Leningrad). *Obozr. Znat.*, 34, 703-712 (1949).—Numerous representations of microsections of various parts of the plant, a useful tannin source, are given. The most useful tests for tannin differentiation were developed. Pptn. by means of caffeine, quinine sulfate, or quinine hydrochloride, after preliminary treatment with 1% FeCl₃ soln., gives a blue ppt. with pyrogallol tannin, a green one with catechol tannin; the use of K antimonyl tartrate instead of the alkaloids gives an even sharper definition. Pyrogallol tannin gives a muddy-blue ppt., catechol tannin—a muddy-green ppt., gallic acid—a colorless ppt., myricetin—a yellow ppt.; in combination with rhodamine these colors are: red-pink, orange-pink, colorless, yellow. The reactions applied to the cellular matter showed that all tannin in this plant is based on pyrogallol and may not be asscd. with plant pigments. The tannin is localized largely in the parenchymous structures. The highest level of the yellow pigment is at the center of the plant stems. The vein development of the leaves depends only on conditions of illumination and not on age or size.
G. M. Kosolapoff

YAKIMOV, P.A. and IL'IN, M.M.
"Rubber-Bearing and Guttapercha-Bearing Plants." Handbook Rastitel'noye syr'ye (Plant Raw Materials), 1, 1950. M.M. IL'IN and P.A. YAKIMOV

~~YAKIMOV, P.A., doktor khimicheskikh nauk, professor; KURSHAKOVA, G.V.;~~
~~YESSOVA, A.G.~~

Cultivation of knotweed *Betongium coriarium* grig in northern
conditions. Leg.prom.14 no.12:42-45 D '54. (MIRA 8:2)
(Tannins) (Knotweed)

"APPROVED FOR RELEASE: 03/14/2001

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VAKIMOV, P.A.

APPROVED FOR RELEASE: 03/14/2001

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CIA-RDP86-00513R001961830001-2"

YAKIMOV, P. A.

AUTHOR: YAKIMOV, P.A., Dr. chem.sc., BULATOV, P.K., M.D., PA - 2852
BERIUSINA, M.P., Dr. biol.sc.
TITLE: The Preparation "Bin Chaga". (Preparat Bin-Chaga, Russian)
PERIODICAL: Vestnik Akademii Nauk SSSR, 1957, Vol 27, Nr 4, pp 88-91 (U.S.S.R.)
Received: 6 / 1957 Reviewed: 7 / 1957

ABSTRACT: The black birch fungus "chaga", which occurs particularly frequently in Siberia, has since long attracted the interest of scientists. Positive results were obtained by botanical laboratories and institutes for antibiotica after a long period of intense research work. In 1951 work was begun on a large scale. Technically, working up the fungus substance presents no difficulties, but hitherto it has not been possible to breed it artificially. The fungus belongs to the sterile kind of spore-bearing inonotus obliquus.

The new preparation, which is called "Bin-Chaga", was administered to 457 patients between 1951 and 1955 (sarcoma, carcinoma, malignant growths of various kinds). Results: With the majority of patients treated with "Bin-Chaga" growths did not increase, while in the case of a smaller number of patients they continued to shrink; in the case of the latter patients results were absolutely positive.

As a next stage, patients suffering from cancer (internal growths), and also in this case astonishing success was achieved.

Card 1/2

PA - 2852

The Preparation "Bin Chaga".

In 1956 the preparation was admitted for sale to the general public after it had been thoroughly tested. The process of preparation is described on the basis of drawings.

ASSOCIATION: Not given

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

Card 2/2

KUZNETSOVA, G.A.; SELIVANOVA-GORODEKOVA, Ye.A.; SAMOKHVALOVA, A.S.;
YAKIMOV, P.A.

Study of *Podophyllum peltatum* L. cultivated in Leningrad
Province. Bot.zhur. 44 no.9:1337-1340 S '59.
(MIRA 13:2)

1. Botanicheskiy institut im. V.I.Komarova AN SSSR i Leningrad-
skiy pediatricheskiy institut.
(Leningrad Province--Mandrake)

KURSHAKOVA, G.V.; SUBAKHIN, V.N.; YAKIMOV, P.A.

Some data on the biochemistry of bistort developed for the northern
climate and testing of the tanning properties of its extracts.
Kozh.-obuv.prom. 2 no.9:29-31 8 '60. (MIRA 13:10)
(Tanning materials) (Bistort)

YAKIMOV, P.A., prof., otv. red.; YEFIMENKO, O.M., red.; LOVYAGINA, Ye.V., red.; NIZKOVSKAYA, O.P., red.; SHIVRINA, A.N., red.; BELKINA, M.A., red. izd-va; ZENDEL', M.Ye., tekhn. red.

[Comprehensive study of physiologically active substances of lower plants] Kompleksnoe izuchenie fiziologicheskikh aktivnykh veshchestv nizshikh rastenii. Moskva, Izd-vo Akad.nauk SSSR, 1961. 279 p.

(MIRA 14:12)

1. Akademiya nauk SSSR. Botanicheskiy institut. 2. Laboratoriya biokhimii nizshikh rasteniy Botanicheskogo instituta im. V.L.Komarova AN SSSR (for Yakimov, Yefimenko, Lovyagina, Nizkovskaya, Shivrina).
(Hormones (Plants))

MIKHAYLOVA, V.N.; YAKIMOV, P.A.

Data on the study of tannides in the leaves of *Polygonum sachalinense*
Schmidt. Trudy Bot.inst.Ser. 5 no.7:251-259 '61. (MIRA 14:4)
(Knotweed) (Tannins)

YAKIMOV, P.A.; KURSHAKOVA, G.V.

Quantitative analysis of tannins in plants by the gelatin method.
Trudy Bot.inst.Ser. 5 no.7:273-283 '61. (MIRA 14:4)
(Tannins)

KURSHAKOVA, G.V.; FEDOROV, Al.A.; YAKIMOV, P.A.

Some data on the chemical composition and pharmacological effect of Adams's rhododendron (*Rhododendron adamsii* Rehd.); preliminary communication. Trudy Bot. inst. Ser. 5 no.9:216-220 '61.

(MIRA 15:1)

(Sayan Mountains--Rhododendron) (Cardiac glycosides)

KURSHAKOVA, G.V.; MARTINSON, T.I.; RIVKINA, Kh.I.; FEDOROV, AI.A.; YAKIMOV, P.A.

Rhododendron aureum Georgi (Rh. chrysanthum Pall.) and its possible
use as a tannin plant. Trudy Bot. inst. Ser. 5 no.9:291-302 '61.
(MIRA 15:1)

(Sayan Mountains--Rhododendron) (Tannins)

PETROVA, E.B.; PODMOSTKOVA, V.A.; YAKIMOV, P.A.

Study of the conditions for replacing carbohydrate media with starch and potatoes in penicillin production without lowering the antibiotic yield. Antibiotiki 6 no.6:492-496 Je '61. (MIRA 15:1)

1. Kafedra tekhnologii antibiotikov Leningradskogo khimiko-farmatsevticheskogo instituta.
(PENICILLIN)

YAKIMOV, P.A.; NESHATAYEVA, Ye.V.

Use of potatoes in nutrient culture media for the fermentation of tetracycline. Antibiotiki 6 no.10:891-894 0 '61. (MIRA 14:12)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(TETRACYCLINE) (POTATOES)
(BACTERIOLOGY CULTURES AND CULTURE MEDIA)

ZOZULYA, R.N.; KUZNETSOVA, G.A.; MEL'NIKOVA, T.A.; YAKIMOV, P.A.

Chemical and pharmacological study of preparations extracted
from Podophyllum Peltatum L. growing in Leningrad Province.
Trudy Len.khim.-farm.inst. no.13:245-252 '62. (MIRA 15:10)

1. Kafedra farmakologii (zav. prof. T.A.Mel'nikova) Leningradskogo
khimiko-farmatsevticheskogo instituta.
(LENINGRAD PROVINCE--PODOPHYLLUM)

YAKIMOV, P.A.

Basic directions in the utilization of new sources of carbon
nutrition for antibiotics producers. Trudy Len.khim.-farm.
inst. no.15:3-7 '62. (MIRA 15:11)

(ANTIBIOTICS)
(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

BASKAKOVA, A.A.; YAKIMOV, P.A.

Dynamics of the Penicillium protein complex during fermentation on
glucose-lactose and hydrolysate media. Trudy Len.khim.-farm.inst.
no.15:23-29 '62. (MIRA 15:11)

(PENICILLIUM)
(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)
(PROTEINS)

PODMOSTKOVA, V.A.; PETROVA, E.B.; YAKIMOV, P.A.

Test of the strain Novyi gibrid on starch-lactose corn and cotton
seed cake media. Trudy Len.khim.-farm.inst. no.15:39-43 '62.

(MIRA 15:11)

(PENICILLIUM)

(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

YAKIMOV, P.A.; PODMOSKOVA, V.A.; PETROVA, E.B.

Effect of soy, boron and potato introduced into the composition
of the fermentation media on the biosynthesis of penicillin.
Trudy Len.khim.-farm.inst. no.15:63-68 '62. (MIRA 15:11)
(PENICILLIN)
(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

DANILOVA, K.S.; NESHATAYEVA, Ye.V.; PETROVA, E.B.; PODMOSTKOVA, V.A.;
YAKIMOV, P.A.

Use of cotton or sunflower seed cake extracts in the biosynthesis
of penicillin and tetracyclines. Trudy Len.khim.-farm.inst.
no.15:31-37 '62.

(MIRA 15:11)
(PENICILLIN) (TETRACYCLINE)
(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

YAKIMOV, P.A.; GORSHKOV, B.G.; LEBEDEV, N.A.; CHEKMEZOVA, O.V.; PETROVA, E.B.; PODOLSTKOVA, V.A.; VITUSHKINA, A.T.

Utilization of starch-potato media in the production of penicillin.
Trudy Len.khim.-farm.inst. no.15:69-74 '62. (MIRA 15:11)

1. Kafedra tekhnologii antibiotikov (zav. - prof. P.A.Yakimov)
Leningradskogo khimiko-farmatsevticheskogo instituta i
Krasnoyarskiy zavod meditsinskikh preparatov (dir. - B.G.Gorshkov).
(PENICILLIN)
(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

NESHATAYEVA, Ye.V.; YAKIMOV, P.A.; BALDINA, A.V.

Formation of chlortetracycline and vitamin B₁₂ by the producer,
Actinomyces aureofaciens, with various sources of carbohydrate
nutrition. Trudy Len.khim.-farm.inst. no.15:153-159 '62.
(MIRA 15:11)

(CHLORTETRACYCLINE) (CYANOCOBALAMINE)
(ACTINOMYCES) (BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

YAKIMOV, P.A.; KOROL'KOV, I.I.; RAKUTINA, N.S.; MIKHINA, A.S.

Study of the conditions for purifying hydrolysates and the composition of the nutrient media for the biosynthesis of penicillin on a base of carbohydrates from wood hydrolysates and agricultural wastes. Trudy Len.khim.-farm.inst. no.15:17-22 '62. (MIRA 15:11)

1. Kafedra tekhnologii antibiotikov (zav. - prof. P.A.Yakimov) Leningradskogo khimiko-farmatsevticheskogo instituta i laboratoriya gidroliza drevesiny razbavlennymi kislotami Nauchno-issledovatel'skogo instituta gidroliznoy i sul'fitnospirovoy promyshlennosti (zav. - kand.tekhn.nauk I.I.Korol'kov).

(PENICILLIN)

(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

(CARBOHYDRATES)

YAKIMOV, P.A.; VOROB'YEVA, V.Ya.

Possibility of using a freezing out process for concentrating
antibiotic solutions. Trudy Len.khim.-farm.inst. no.15:105-113
'62. (MIRA 15:11)

(ANTIBIOTICS)

KRUSSER, O.V.; YAKIMOV, P.A.; VALAKHANOVICH, A.I.; KHOLODOVA, G.V.; BASHKABOVA, A.A.

Biosynthesis of streptomycin in a medium with fermented soybean meal. Trudy Len.khim.-farm.inst. no.15:127-133 '62.

(MIRA 15:11)

1. Kafedra tekhnologii antibiotikov (zav. - prof. P.A.Yakimov)
Leningradskogo khimiko-farmatsevticheskogo instituta i Minskiy
zavod meditsinskikh preparatov (dir. N.G.Ser'zhon).

(STREPTOMYCIN)

(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

LARIONOVA, T.V.; PETROVA, E.B.; PODMOSTKOVA, V.A.; YAKIMOV, P.A.

Effect of molybdenum and boron in an enriched medium on the
biosynthesis of streptomycin. Trudy Len.khim.-farm.inst.
no.15:121-126 '62. (MIRA 15:11)

(STREPTOMYCIN)
(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

ANDREYEVA, S.M.; YAKIMOV, P.A.; NESHATAYEVA, Ye.V.; SHARYKINA, N.G. .

Use of malt germ extract in the biosynthesis of chlortetracycline.
Trudy Len.khim.-farm.inst. no.15:169-175 '62. (MIRA 15:11)

1. Laboratoriya biokhimii nizshikh rasteniy Botanicheskogo instituta
imeni V.L.Komarova AN SSSR i kafedra tekhnologii antibiotikov
Leningradskogo khimiko-farmatsevticheskogo instituta (zav. - prof.
P.A.Yakimov).

(CHLORTETRACYCLINE)
(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

KRUSSER, O.V.; YAKIMOV, P.A.; NESHATAYEVA, Ye.V.; KHAO-SHI-DZEN';
LOSHKAREVA, Ye.A.

Vegetative reproduction of the mycelium of *Actinomyces aureofaciens*.
Trudy Len.khim.-farm.inst. no.15:177-184 '62. . (MIRA 15:11)
(ANTINOMYCES)

YAKIMOV, P.A.; FILIPPOVA, V.A.; MAISAIYA, D.D.

Obtaining depot antibiotic preparations with prolonged action
from Siberian fir balsam. Trudy Len.khim.-farm.inst. no.15:
235-243 '62. (MIRA 15:11)

(ANTIBIOTICS) (BALSAMS)

YAKIMOV, P.A.

Obtaining semiprocessed antibiotics for animal husbandry. Trudy
Len.khim.-farm.inst. no.15:247-250 '62. (MIRA 15:11)
(ANTIBIOTICS) (FEEDS)

SMIRNOVA, L.M.; FILIPPOVA, V.A.; YAKIMOV, P.A.

Simplified methods for obtaining semiprocessed penicillin,
chlortetracycline and vitamin B₁₂. ~~Trudy Len.khim.-farm.inst.~~
~~no.15:251-257 '62.~~ (MIRA 15:11)
(FEEDS) (PENICILLIN) (CHLORTETRACYCLINE) (CYANOCOBALAMINE)

ZAIKINA, N.A.; YELINOV, N.P.; YAKIMOV, P.A.

Purification of waste waters in the antibiotics industry. Trudy
Len.khim.-farm.inst. no.15:279-284 '62. (MIRA 15:11)
(ANTIBIOTICS) (INDUSTRIAL WASTES)

YAKIMOV, P.A., doktor khim.nauk; MIL'BERG, G.K.

Resources of feed protein. Vest. AN SSSR 32 no.10:113-115 O '62.
(MIRA 15:10)

(Proteins)

FALINA, N.N.; MASLOVA, R.A.; YAKIMOV, P.A.

Amino acid composition of the mycelium of the fungus *Hydnus septentrionale* Fr. Mikrobiologiya 32 no.2:223-226 Mr.-Ap '63.
(MIRA 17:9)

1. Botanicheskiy institut imeni Komarova AN SSSR.

FALINA, N.N.; MASLOVA, R.A.; YAKIMOV, P.A.; ANDREYEVA, S.M.; ALEKSEYEV, Ye.V.

Some results of studying Basidiomycetes as a source for obtaining
feed proteins and diet-deficient amino acids. Rast. res. 1 no.1;
122-127 '65. (MIRA 18:6)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR, Leningrad.

YEFIMENKO, O.M., otv. red.; NIZKOVSKAYA, O.P., red.; SHIVRINA, A.N.,
red.; YAKIMOV, P.A., red.

[Feed proteins and physiologically active substances for
livestock farming; higher fungi as possible sources of their
production] Kormovye belki i fiziologicheski aktivnye ve-
shchestva dlja zhivotnovodstva; vysshie griby kak vozmozh-
nye istochniki ikh polucheniia. Moskva, Nauka, 1965. 126 p.
(MIRA 19:1)

1. Akademiya nauk SSSR. Botanicheskiy institut. 2. Labora-
toriya biokhimii nizshikh rastenij Botanicheskogo instituta
im. V.L.Komarova AN SSSR (for Yakimov, Shivrina).

YAKIMOV, P.I.

Device preventing displacement of the coils of a continuous
cable winch. Rats. i izobr. predl. v stroi. no.110:22-23 '55.
(Winches) (MIRA 8:10)

BONDAREV, A.Ye.; YAKIMOV, P.I.

Rapid assembly of the electrolysis buildings of an aluminum plant.
Promstroi. 40 no.8:11-16 '62. (MIRA 15:11)

1. Upravleniye Vuzhstal'konstruktsiya (for Bondarev). 2. Proyektnyy
institut Promstal'konstruktsiya (for Yakimov).
(Aluminum plants) (Precast concrete construction)

BAKHRUSHIN, V.A.; BONDAREV, A.Ye.; PRIKHOZHAN, A.Ye.; YAKIMOV, P.I.

Overall mechanization of the assembling of structural elements.
Prom. stroi. 41 no.2:17-20 F '64. (MIRA 17:3)

1. Trest Volgogradorgstroy (for Bakhrushin, Prikhozhan). 2. Upravleniye Yuzhstal'konstruktsiya (for Bondarev). 3. Gosudarstvennyy institut po proyektirovaniyu, issledovaniyu i ispytaniyu stal'nykh konstruktsiy i mostov (for Yakimov).

NIKITIN, S.S.; YAKIMOV, P.I.; BEL'CHENKOV, I.A.

Renovation of the covering of the frame of the Volgograd Tractor Plant. Prom.stroi. 41 no.3:6-8 Mr '64. (MIRA 17:3)

YAKIMOV, P. YA., and NESHATAYEVA, YE. V. (USSR)

"Potato as a Stimulator of the Biosynthesis of Tetracycline
Antibiotics and Vitamin B₁₂.

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

AKIMOV, S.

Mestnyi transport za desiat let. [Local transport during ten years]. (Transport i khoz-vo, 1927, no. 8-9). BLC: HE7.T68

S0: Soviet Transportation and Communication, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

YAKIMOV, S.

Specialized integrated brigades in the Nakhodka harbor.
Mor. flot 22 no.8:11-13 Ag '62. (MIRA 15:7)

1. Nachal'nik eksportno-importnogo uchastka porta Nakhodka.
(Nakhodka-Karbor) (Cargo handling)

ALEKSEYENKO, Nikolay Grigor'yevich; YAKIMOV, Semen Ivanovich; KUROCHKIN,
A.Ye., red.; MARCHUKOVA, M.G., red. izd-va; LAVRENOVA, N.B.,
tekhn. red.

[Package transportation and the mechanization of cargo-handling
operations; practices of Nakhodka harbor dock workers] Paketnye
perevozki i mekhanizatsiya gruzovykh rabot; iz opyta portovikov
Nakhodki. Moskva, Izd-vo "Morskoi transport," 1961. 49 p.

(MIRA 14:9)

(Nakhodka--Cargo handling—Equipment and supplies)

YAKIMOV, S.K.

124-57-2-2203

Translation from: Referativnyy zhurnal Mekhanika, 1957, Nr 2, p 106 (USSR)

AUTHOR: Yakimov, S. K.

TITLE: Some Problems of the Calculation of Circular and Annular Plates Supported at Discrete Points (Nekotoryye zadachi rascheta kruglykh i kol'tsevykh plit, podpertykh v otdel'nykh tochkakh)

PERIODICAL: V sb.; Raschet prostranstvennykh konstruktsiy, Nr 3. Moscow, Gos. izd-vo lit. po str-vu i arkhitekture, 1955, pp 509-559

ABSTRACT: Examination of the problem of the deflection of a circular plate (both solid and with a central aperture) having a uniform thickness, subjected to the action of an axisymmetrically distributed load and supported at a number of points located equidistantly from one another along circumferences which are concentric with the contour. The inner and outer contours of the plate can be free, freely supported, or rigidly clamped. This problem is reduced to the problem of the axisymmetric deflection of a plate subjected to forces distributed over the surface and along the circumference, and to the "fundamental" problem of the deflection of a plate subjected to a system of mutually balancing forces, a loading uniformly distributed along the

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124-57-2-2203

Some Problems of the Calculation of Circular and Annular Plates (cont.)

same circumference. The solution of the "fundamental" problem for a solid infinite plate is selected as the initial solution. By superimposing upon this solution the solutions for plates loaded by contour forces and moments that exhibit cyclic symmetry and are selected to correspond with the boundary conditions under examination, solutions are determined for various conditions of the supports for an infinite plate with an aperture, a solid circular plate, and a circular plate with an aperture. Expressions for the moments and forces in an infinite plate with an aperture and in a solid circular plate, in which the contour is either freely supported or rigidly clamped, are found by means of Euler's formula in finite form; for the other cases, the answer is found in terms of rapidly converging series. In the case of the "fundamental" problem the moment and force distributions along the circumference and the radii are derived for a solid infinite plate supported at six points, also for a solid circular plate loaded only by contour forces and moments, and for a corresponding plate supported at six points. The force method for the determination of the remaining unknown quantities, viz., the support reactions, is explained. A method for the calculation of the deflections resulting from concentrated forces acting upon sector-shaped plates and plates shaped like circular rectangles, freely supported along their radial edges, is indicated. Concepts relative to approximate calculation methods for the "fundamental"

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124-57-2-2203

Some Problems of the Calculation of Circular and Annular Plates (cont.)

problem for circular plates are given, utilizing formulas in finite form for infinite and solid circular plates.

1. Sheets--Deflection 2. Mathematics

A. L. Kovalenko

Card 3/3

NIKOLAYEV, V.I.; SHCHERBINA, Yu.I.; YAKIMOV, S.S.

Temperature study of Mossbauer spectra on Fe^{57} and Sn^{119}
nuclei in the antiferromagnetic compound FeSn . Zhur. eksp.
i teor. fiz. 45 no.4:1277-1280 O '63. (MIRA 16:11)

ACCESSION NR: AP4012568

S/0056/64/046/001/0389/0392

AUTHORS: Nikolayev, V. I.; Yakimov, S. S.

TITLE: Investigation of the temperature dependence of the Mossbauer effect on Fe-57 impurities in a gold crystal lattice

SOURCE: Zhurnal eksper. i teoret. fiz., v. 46, no. 1, 1964, 389-392

TOPIC TAGS: Mossbauer effect, resonance emission probability, iron 57, iron 57 impurity, gold, gold lattice, Mossbauer spectrum, natural Mossbauer line width, resonance absorption line, Debye model, force constant

ABSTRACT: The probability of resonance emission of 14.4 keV γ quanta by Fe^{57m} nuclei embedded in a gold lattice (mass ratio $M'/M = 0.29$) was investigated over the temperature range 77-700K. The measurement technique was described briefly elsewhere (ZhETF v. 44, 775, 1963). The Mossbauer spectrum was found to be over the entire

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ACCESSION NR: AP4012568

temperature range a single line, with width equal to (5.2 ± 0.5) times the natural width for an absorber thickness 0.012 mm. The absorption line shifted toward negative velocities relative to the emission line by 0.78 ± 0.5 mm/sec at room temperature. Replacement of the sample by a similar source of stainless steel caused no noticeable change in line shape. The results show that the temperature variation of the Mossbauer effect differs markedly from that predicted with the Debye model, but are in good agreement with the results of the theory of Yu. Kagan and Ya. A. Yosilevskiy (ZhETF v. 42, 259, 1962). The results also support the assumption that the force constants change little. "In conclusion we thank I. K. Kikoin for directing the work, Yu. M. Kagan for continued interest and numerous discussions, Yu. I. Shcherbina for extensive help, I. F. Simonov for help in preparing the samples, and I. Dubovtsev and G. Ugodnikov for participating in the measurements." Orig. art. has: 2 figures.

Card... 2/2

L-II889-66 EWT(1)/EWT(m)/EWP(t)/EWP(b) IJP(c) JD
ACC NR: AP502801 SOURCE CODE: UR/0386/65/002/008/0373/0377
44 53 44 55 44 55 44 55 66
AUTHOR: Nikolayev, V. I.; Yakimov, S. S.; Dubovtsev, I. A.; Gavrilova, Z. G. 44
ORG: none

TITLE: Magnetic structure of the compound FeGe 11
SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu
(Prilozheniya), v. 2, no. 8, 1965, 373-377
TOPIC TAGS: iron alloy, germanium alloy, antiferromagnetic material, ordered alloy,
Neel temperature

ABSTRACT: To check on the existence of magnetic order in the compound FeGe the authors investigated the Mossbauer spectra of Fe^{57} nuclei in this compound at temperature 77--500K. The sample was prepared by a procedure described by Ohoyama et al. (J. Phys. Soc. Japan v. 18, 589, 1963). The initial components were Armco iron and germanium. X-ray structure analysis has established that the sample produced contains a phase with hexagonal structure, having parameters $a = 5.005 \text{ \AA}$ and $c = 4.054 \text{ \AA}$. Investigations of the magnetization of the sample in the interval 300--500K have shown that there are no ferromagnetic impurities with Curie points above room temperature. In the experiments on the Mossbauer effect, the FeGe sample was used as an absorber. The source of radiation was Co^{57} introduced in stainless steel. The Mossbauer spectrum of the Fe^{57} contained all six resolved components of the hyperfine structure, thus evidencing the magnetic splitting of the ground and excited levels of Fe^{57} and demonstrating directly that FeGe has an ordered magnetic structure at room

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L 11889-66

ACC NR: AP5028017

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temperature. The magnitude of the local magnetic field acting on the iron nuclei is, in this case 123 ± 3 koe. Analogous spectra were obtained also for other temperatures. It is also concluded that FeGe is antiferromagnetic. Extrapolation of the temperature dependence of the nuclear magnetic field to zero yields a value $T_n = 411 \pm 2$ K for the Neel point of FeGe. Authors thank I. K. Kikoin for interest in the work, Yu. M. Kagan for discussions, N. N. Kuznetsov and V. L. Bogachev for help in adjusting the experimental setup, and P. N. Petrov and V. A. Somenkov for the x-ray structure analysis of the sample. Orig. art. has: 2 figures.

SUB CODE: 20/ SUEM DATE: 25Aug65/ ORIG REF: 002/ OTH REF: 002

PC
Card 2/2

L 07112-67 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) JD
ACC NR: AP6029106 SOURCE CODE: UR/0048/66/030/006/0949/0956

AUTHOR: Nikolayev, V.I.; Dubovtsev, I.A.; Ugodnikov, G.G.; Yakimov, S.S.

ORG: none

TITLE: Investigation of the Mossbauer effect on Fe⁵⁷ nuclei in nickel ferrite-chromite with a compensation point / Report, All-Union Conference on the Physics of Ferro- and Antiferromagnetism held 2-7 July 1965 in Sverdlovsk/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 6, 1966, 949-956

TOPIC TAGS: ferrite, Mossbauer effect, Mossbauer spectrum, spontaneous magnetization, magnetic effect, iron

ABSTRACT: In view of the paucity of studies of the Mossbauer effect in ferrites, the present investigation was undertaken with a view to determining the temperature dependence of the Mossbauer spectra characterizing the absorption of 14.4 keV gamma rays by Fe⁵⁷ nuclei in a ferrite with a compensation point. The investigated material was nickel ferrite-chromite: NiFe_{2-x}Cr_xO₄ with x equal to 1.0 and 0.9; both substances have the inverse spinel structure. Both the Curie point and the compensation point of the two compositions lie above room temperature. The two specimens were synthesized by the so-called "dry" procedure of the corresponding oxides (high purity grade). All the measurements were carried out with a stationary absorber. A series of curves

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L 07112-67

ACC NR: AP6029106

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in one figure gives the Mossbauer spectra of the Fe⁵⁷ nuclei in the NiFeCrO₄ lattice at different temperatures. Also presented in graphic form are the results of studies of the temperature dependences of the spontaneous magnetization and the effective field at the Fe⁵⁷ nuclei and of the magnetocaloric effect in the studied ferrite. Another figure shows the temperature dependence of the isomer shift. Detail graphs give the temperature variations of the spontaneous magnetization and the effective field at the ¹¹³Ni nuclei in the proximity of the Curie point for both the investigated compositions. The character of the phase transition connoted by the data is discussed in general terms; the data are inadequate to identify the exact mechanism involved. In conclusion, the authors are grateful to I.K.Kikoin for support and his interest in the work and to Yu.M.Kagan for useful discussions. Thanks are also expressed to A.N.Goryaga for advice on preparation of the ferrites, and to P.K.Pronin, Ye.Ye. Kislyakov, and N.N.Kuznetsov for assistance in designing and adjusting the setups.

Orig. art. has: 2 formulas, 1 table and 5 figures.

SUB CODE: 20 SUBM DATE: 00 ORIG. REF: 003 OTH REF: 005

Card 2/2 *[Signature]*

KATS, M.I.; STRIZHAK, N.S.; YAKIMOV, S.Ya., red.

[Safety measures and industrial sanitation in the chemical industry; rules, regulations, standards, and instructions]
Tekhnika bezopasnosti i proizvodstvennaya sanitariia v khimicheskoi promyshlennosti; sbornik postanovlenii, pravil, norm i instruktsii. Moskva, Izd-vo "Khimiia," 1964. 653 p.
(MIRA 17:5)

FAYNSHTEYN, Samuil Yakovlevich; YAKINOV, S.Ya., red.

[Production of chlorine by the method of diaphragm electrolysis] Proizvodstvo khlora metodom diafragmennogo elektrolyza. Moskva, Izd-vo "Khimia," 1964. 255 p. (MIRA 17:7)

NIKOLAEVSKIY, Konstantin Mikhaylovich; YAKIMOV, S.Ya., inzh., red.;
SHEINFAYN, L.I., red. izd-va ROZHIN, V.P., tekhn. red.

[Designing the recovery of volatile solvents by means of batch adsorbents] Proektirovanie rekuperatsii letuchikh rastvoritelei s adsorberami periodicheskogo deistviia. Moskva, Gos. nauchno-tekhn. izd-vo Oborongiz, 1961. 237 p. (MIRA 14:10)
(Solvents) (Chemical industries—Equipment and supplies)

ANDREYEV, K.K., prof., red.; BELYAYEV, A.F., prof., red.; GOL'DINBERG,
A.I., prof., red.; GORST, A.G., prof., red.; YAKIMOV, S.Ya.,
inzh., red.; STEPANOVA, A.A., red. izd-va; NOVIK, A.Ya.,
tekhn. red.

[Theory of explosives] Teoriia vzryvchatykh veshchestv; sbornik
statei. Moskva, Oborongiz, 1963. 578 p. (MIRA 16:4)
(Explosives)

YAKIMOV, T. A.

USSR/Chemistry - Instruments

FD-972

Card 1/1 * Pub. 50 - 15/19

Author : Yakimov, T. A.

Title : From the operational experience of the Thermal-Electric Power Plant
of the Solikamsk Potassium Combine

Periodical : Knim. prom., No 7, 436-438 (52-54), Oct-Nov 1954

Abstract : Describes automatic control appliances used in connection with the
treatment of boiler feed water and the operation of furnaces at the
Solikamsk Potassium Combine. Four figures, 1 graph.

DEDKOV, Ye.; YAKIMOV, V.; MAZURKEVICH, M., red.

[Accounting in public institutions; collection of standard documents] Bukhgalterskii uchet v biudzhetnykh uchrezhdeniakh; sbornik normativnykh dokumentov. Moskva, Finansy, 1965. 470 p. (MIRA 18:2)

ACC NR: AP7004756 (N) SOURCE CODE: UR/0413/67/000/001/0052/0052

INVENTOR: Yakimov, V. A.; Chuloshnikov, P. L.; Timofeyev, N. V.

ORG: None

TITLE: A method of seam welding. Class 21, No. 189959

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1967, 52

TOPIC TAGS: seam welding, welding technology

ABSTRACT: This Author's Certificate introduces a method of seam welding with correction for the direction of the rollers along the seam. The axes of the rollers are periodically or continuously rotated in a plane parallel to the sheets being welded to increase productivity and improve welding quality.

SUB CODE: 13/ SUBM DATE: 200ct65

Card 1/1

UDC: 621.791.763.3

COLOSHCHAPOV, Vyacheslav Alekseyevich; DEDKOV, Yevgeniy Pavlovich;
YAKOV, Vladimir Aleksandrovich; PONOMAREV, V.I., otv.
red.; MEDVEDEVA, R., red.izd-va; TELEGINA, T., tekhn.red.

[Budget accounting] Biudzhetnyi uchet. Moskva, Gosfiniz-
dat, 1963. 255 p. (MIRA 17:2)

YAKIMOV, V.A.

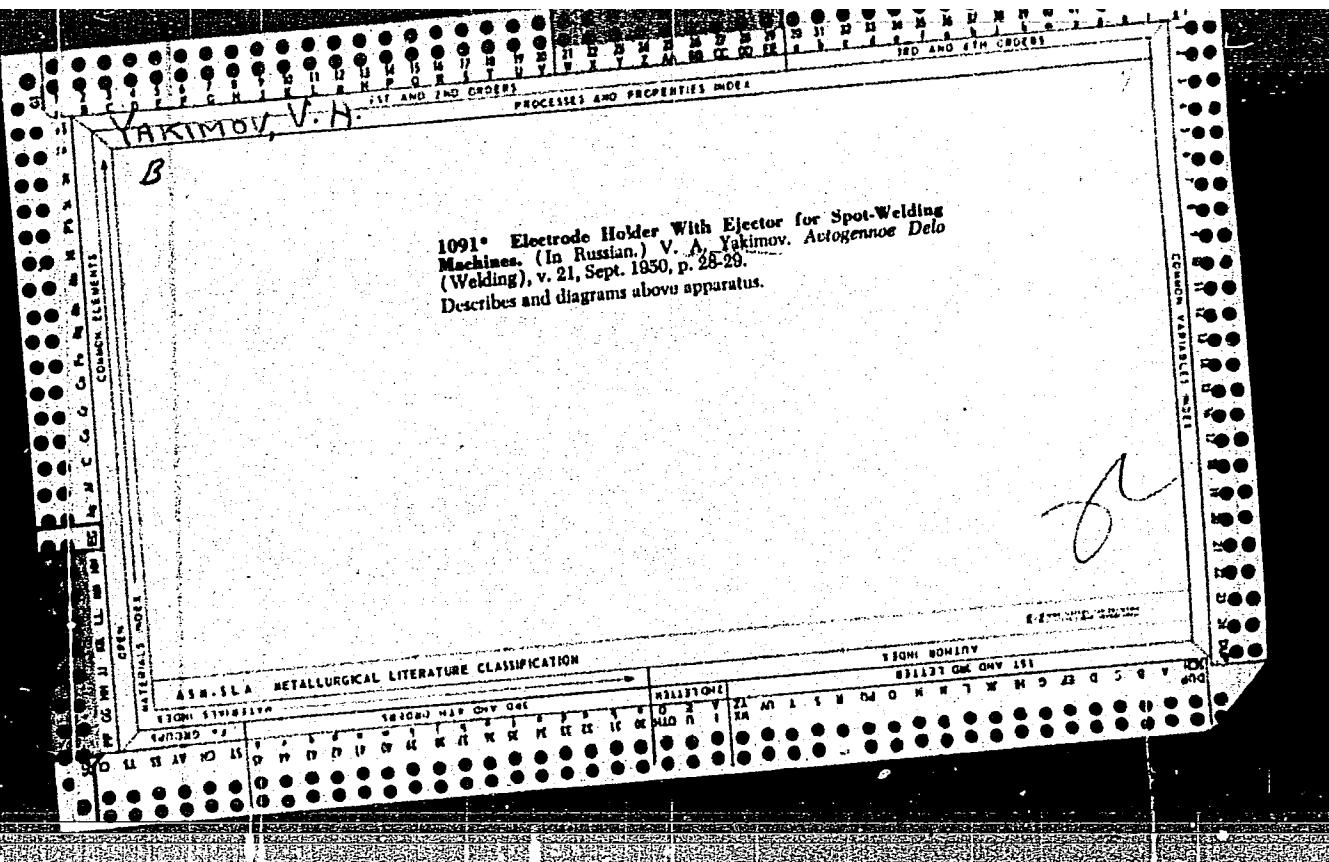
Restoration of the calomel electrodes of pH meters. Sakh.
prom. 34 no.9:32-33 S '60. (MIRA 13:9)

1. Zherdevskiy tekhnikum.
(Khen--Sugar manufacture) (Hydrogen-ion concentration)

YAKIMOV, V. A.

ASSISTANT METALLURGICAL LIBRARIAN CLASSIFICATION

Vakimov, V. A., and Pevzner, B. M. CASTING LAFFLES.
State Sci.-Tech. Pub. House of Ferrous and Nonferrous
Metallurgy, Leningrad, Moscow, and Sverdlovsk, 1935.
88 pp., 84 illustrations. Price R.R.20 kopeck.—The book on
casting laffles deals with their construction, description of
the usual failures, lining and drying, and their service and
calculations.



YAKIMOV, V.A.

AID P - 5404

Subject : USSR/Engineering

Card 1/1 Pub. 107a - 6/12

Authors : Verchenko, V. R., Kand. of Tech. Sci., V. A. Kostyuk,
Kand. of Tech. Sci., and V. A. Yakimov, Eng.

Title : The ARK-1 automatic machine for argon-electric arc
welding with melting and non-melting electrodes.

Periodical : Svar. proizv., 10, 20-22, 0 1956

Abstract : The ARK-1 welding machine built at the Scientific
Research Institute of Technology and Organization of
Production with V. A. Yakimov (one of the authors) as
its chief designer is briefly described and its per-
formance outlined. Three tables, 3 photos and 1 drawing;
2 Russian references (1948, 1952).

Institution : As above

Submitted : No date

YAKIMOV, V.D., agronom.

What widespread testing of T.S. Mal'tsev methods has shown. Nauka
i pered. op. v sel'khoz, no.9:21-23 S '56. (MLRA 9:10)
(Tillage)

YAKIMOV, V.A.

GOLOSHCHAPOV, V.A.; TSILINSKIY, Ya.Ya.; YAKIMOV, V.A.; SUBBOTINA, K., red.;
LEBEDEV, A., tekhn.red.

[Budget accounting] Biudzhetnyi uchet. Avtorskii kollektiv pod
rukovodstvom V.A.Goloschapova. Moskva, Gosfinizdat, 1957. 295 p.
(Budget) (Accounting) (MIRA 11:5)

ATTACHMENT NO. 1

442

477

478

AVTOMATICHESKAYA SVARKA

1965, No. 6, p. 10, V. A. Chernenko, Moscow 12

TITLE: Spot welding of the MTP-1 capacitor machine

SOURCE: Avtomaticheskaya svarka, no. 6, 1965, 57-61

TOPIC TAGS: resistance welding, electric circuit, weld microstructure, weld shear strength, aluminum alloy, alloy steel, titanium alloy, spot welding

Abstract: Spot welding was done on the MTP-1 capacitor machine using type K501-1 electrodes. The welding was done on the MTP-1 capacitor machine using type K501-1

meters. The maximum decrease in the contact force coincides with the maximum of the current. Alloys such as D16AT and Au-5Ag, Kh18N9T steel and OTu titanium were welded with electrodes ranging from 1.5 to 3 mm. The electrodes used were made of an oxygen having a hardness of 110-120 HV, with surface radii of 21, 31, 76 and

Card 1/2

L ockma-65

ACCESSION NR: AFG/16016

THE ATTACHED REPORT IS A SUMMARY OF THE ANALYSIS OF THE INFORMATION CONTAINED IN THE ATTACHED DOCUMENTS.

ANALYSIS WAS CONDUCTED ON THE ATTACHED DOCUMENTS AND THE INFORMATION CONTAINED THEREIN WAS DETERMINED TO BE OF NO USE.

6 figures, 2 tables.

ASSOCIATION: none

SUBMITTED: 11Jul64

ENCL: 00

SUB CODE: MM, IE

NO REF Sov: 003

OTHER: 000

Card 2/2

YAKIMOV, V.D., agronom; GRIGOR'YEVA, A.I., red.; DEYEEVA, V.M., tekhn. red.

[Experience with T.S. Mal'tsev's method of tillage] Iz opyta
obrabotki pochvy po metodu T.S. Mal'tseva. Moskva, Gos. izd-vo
sel'khoz. lit-ry, 1958. 252 p. (MIRA 11:10)
(Tillage)

OSIPOVA, Ye.N., agronom; YAKIMOV, V.D., agronom; GRIGOR'YEVA, A.I.,
red.; BALLOD, A.I., tekhn.red.

[Green fallows are of great importance in increasing agricultural
production] Zaniatye pery - krupnyi rezerv uvelicheniya pro-
izvodstva sel'skokhoziaistvennoi produktsii. Moskva, Gos.izd-vo
sel'skokhoziaistvennoi lit-ry, 1960. 180 p.

(MIRA 14:1)

(Fallowing)

YAKIMOV, V. P.

YAKIMOV, V. P.: "The economics of the deer-raising kolkhozes of the Komi ASSR and the organization of the fodder base in them." All-Union Sci Res Inst of Fodder imeni V. R. Vil'yams. Moscow, 1956.
(Dissertation for the Degree of Candidate in Agricultural Sciences.)

Source: Knizhnaya letopis! No 40 1956 Moscow

YAKINOV, V.P.
USSR/Farm Animals. - Reindeer

Q-4

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 26194

Author : Yakinov V.P.

Inst : Not Given

Title : Production Types of the Economy of the Kolkhozes of Some
Rayons of the Extreme North, and the Problem of the Or-
ganization in the Same of Feeding Bases for Reindeer Breeding
(Proizvodstvennye tipy khozyaystv kolkhozov nekotorykh rayonov
Kraynogo Severa i voprosy organizatsii v nich kormovoy bazy
olonevodstva)

Orig Pub : Tr. Kirovskogo s.-kh. in-ta, 1956, 11, No 23 , 77-90

Abstract : No abstract

Card : 1/1

37

YAKIMOV, V.P.

Viktor Valerianovich Bunk; on his 70th birthday and the 45th anniversary of his scientific, pedagogic and public work.
Arkh. anat., gist. i embr. 42 no.4:124-126 Ap '62. (MIRA 15:6)

1. Adres avtora: Moskva, K-9, Mokhovaya ul., Institut antropologii Moskovskogo gosudarstvennogo universiteta.
(BUNAK, VIKTOR VALERIANOVICH, 1891-)

OPARIN, A.I., akademik; STUDITSKIY, A.N., prof.; NAUMOV, N.P.,
prof.; KOVAL'SKIY, V.V.; YUROVA, I.L., dots.; PLATONOV, G.V.,
prof.; KAGANOV, V.M.; FURMAN, A.Ye., dots.; MEDVEDEV,
N.V., prof.; YAKIMOV, V.P., kand. biol. nauk;
ZHUKOV-VEREZHNICKOV, N.N.; BONDARENKO, P.P., prof.;
MAYSKIY, I.N., prof.; TRIBULEV, G.P., dots.;
TSAREGORODTSEV, G.I., dots.; DOBROKHVALOV, V.P., kand.
biol. nauk; YAZDOVSKIY, V.I., prof.; VIKTOROVA, V., red.;
CHEREMNYKH, I., mlad. red.; ULANOVA, L., tekhn.red.

[Studies on the dialectic of living nature] Ocherk dia-
lektiki zhivoi prirody. Moskva, Sotsekgiz, 1963. 527 p.
(MIRA 16:12)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokho-
zyaystvennykh nauk imeni V.I.Lenina (for Koval'skiy).
2. Deystvitel'nyy chlen AMN SSSR (for Zhukov-Verezhnikov).
(Biology--Philosophy)

YAKIMOV, V. P.

"On the contraposition of the thumb."
by Yakimov, V. P.(p. 232)

SO: Journal of General Biology (Zhurnal Obshchei Biologii) Vol. X, No.3, 1949

Man - Origin

Early stages of anthropogeny. Trudy Inst. etn. AN SSSR 16, 1951.

Monthly List of Russian Accessions, Library of Congress, April 1952. Unclassified.

1. YAKIMOV, V. P.
2. USSR (600)
4. Craniology
7. Natural mold of a Neanderthal cranium, Priroda, 41, No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

YAKIMOV, V.P.

Anthropological characteristics of skeletons from burial sites on
Bol'shoy Oleniy Island in the Barents Sea. Sbor.Muz.ant.i etn. 15:
448-485 '53. (MLRA 7:4)

(Bol'shoy Oleniy Island--Anthropometry) (Anthropometry--
Bol'shoy Oleniy Island)

YAKIMOV, V.P.

Problem of correlating fossil men of recent and Neanderthal types.
Sov. etn. no. 3:57-62 '54. (MLRA 7:11)
(Neanderthal race) (Man)

BORIKOVSKIY, P.I., doktor istoricheskikh nauk; YAKOVMOV, V.P., kandidat biologicheskikh nauk, redaktor.

[New data on the origin of man] Novye dannye o proiskhozhdenii cheloveka. Leningrad, 1955. 45 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii, Leningradskoe otdelenie) (MLRA 8:11)

(Man--Origin)

14-57-7-15339

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,
p 179 (USSR)

AUTHOR: Yakimov, V. P.

TITLE: Initial Stages in the Settlement of Eastern Baltic
Region (Nachal'nyye etapy zaseleniya vostochnoy
Pribaltiki)

PERIODICAL: Tr. In-ta etnogr. AN SSSR, 1956, Vol 32, pp 245-272

ABSTRACT: Bibliographic entry
Card 1/1

YAKIMOV, V.P., (Leningrad 46, Ul.Kuibysheva, d.14, kv.3)

Current status of the problem of the origin of man. Arkh.anat. gists.
1 embr. 33 no.183-9 Ja-Mr '56 (MIRA 12:1)
(EVOLUTION,
origin of man (Rus))

GINZBURG, V.V.; YAKIMOV, V.P.

"Human races" by M.F.Nestruev. Reviewed by V.V.Ginzburg, V.P.
Iakimov. Arkh.anat.gist. i embr. 33 no.4:91-92 O-D '56. (MIRRA 10:4)
(RACH) (NESTRUHK, M.F.)

YAKIMOV, V. P.

"La population de la partie europeenne de l'U.R.S.S. au Paleolithique superieur et au Mesolithique."

Report submitted for the 6th Intl. Anthropological and Ethnological Sciences Congress, Paris, 31 Jul-5 Aug 1960.

GINZBURG, V.V.; LEVIN, M.G.; YAKIMOV, V.P.

Preparing for the Seventh International Congress on Anthropology
and Ethnography. Arkh. anat. gist. i embr. 42 no.2:127-128 F '62.
(MIRA 15:2)

(ANTHROPOLOGY CONGRESSES) (ETHNOLOGY CONGRESSES)

YAKIMOV, V.P. (Moskva, B-330, prcspekt Lomonosova 35, kv.71)

Anthropology Section of the Museum of Anthropology and Ethnography
of the Academy of Sciences of the U.S.S.R. Arkh. anat., glist. i
embr. 46 no.3:109-114 Mr '64. (MIRA 17:12)

YAKIMOV, V.P.

Principle trends of the adaptive radiation of the apes at the
end of the Tertiary and the beginning of the Quaternary period.
Trudy MOIP. Otd. biol. 14:179-189 '64. (MIRA 18:4)

1. Institut antropologii Moskovskogo gosudarstvennogo universiteta.

YAKIMOV, V. P.

"Adaptiviaya radiatsiya vysshikh obez'yan v tretichnom i nachalye chetvertichnogo perioda."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

YAKIMOV, V.S.

YZ Aurigae. Per.zvezdy 14 no.1:63-64 Ja '62.

(MIRA 17:3)

1. Otdel peremennykh zvezd Moskovskogo otdeleniya Vsesoyuznogo
astronomo-geodezicheskogo obshchества.

L 38489-66 EWP(m)/EWT(l)/EWI(m)/EWP(j) MM/JM/DJ/RM

ACC NR: AP6017838

SOURCE CODE: UR/0147/66/000/002/0130/0136

AUTHOR: Yershov, N. S.; Borovskiy, B. I.; Yakimov, V. V.

ORG: none

TITLE: Experimental investigation of the effect of the thermodynamic properties of a liquid on cavitation phenomena

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 2, 1966, 130-136

TOPIC TAGS: fluid property, thermodynamic property, cavitation

ABSTRACT: It has been proposed in previously published work that the effect of the properties of a liquid on cavitation phenomena can be evaluated in terms of the number "B", which is the ratio of the volume of vapor formed during cavitation to the volume of the liquid flow. The expression for B has the form

$$B = \frac{\gamma_x}{\gamma_l} \cdot \frac{c_x}{r} \cdot \frac{dt}{dp} \cdot \Delta P,$$

where dp/dt is the gradient of the change in the vapor pressure of the liquid with a change in temperature; γ is the specific weight; c is the heat capacity; r is the latent heat of vapor formation; x = liquid; l = vapor. The experiments described in the article were carried out

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UDC: 532.528

L 38489-66

ACC NR: AP6017838

in a Venturi cavitation tube. The temperature of the water was varied from 290 to 359°K, and the temperature of the alcohol from 293 to 332°K. The calculations show that, with these changes in temperature the B number changes 30 times for water and approximately 4 times for alcohol. The article includes a sketch of the cavitation tube. Orig. art. has 9 figures.

SUB CODE: 20/ SUBM DATE: 23Nov64/ ORIG REF: 003

Card 2/2 pb